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## **Structural Phase Transition in $\text{PrFe}_4\text{P}_{12}$ and $\text{PrRu}_4\text{P}_{12}$**

S. H. Curnoe<sup>1</sup>, H. Harima<sup>2</sup>, K. Takegahara<sup>3</sup>, K. Ueda<sup>1</sup>

<sup>1</sup> *Institute for Solid State Physics, University of Tokyo, Kashiwa, Japan*

<sup>2</sup> *Institute for Scientific and Industrial Research, Osaka University, Osaka, Japan*

<sup>3</sup> *Department of Materials Science and Technology, Hirosaki University, Hirosaki, Japan*

We argue that the same structural phase transition that gives rise to the metal-insulator (M-I) transition in the rare earth filled skutterudite  $\text{PrRu}_4\text{P}_{12}$  is also responsible for lifting the degeneracy of the Pr  $f^2$  crystal field ground state doublet in  $\text{PrFe}_4\text{P}_{12}$ . The difference between these two compounds stems from an extra hole-like band which crosses the Fermi surface in  $\text{PrFe}_4\text{P}_{12}$  but not in  $\text{PrRu}_4\text{P}_{12}$ ; the presence of this band suppresses the M-I transition in  $\text{PrFe}_4\text{P}_{12}$ . The low temperature state of  $\text{PrFe}_4\text{P}_{12}$  is metallic, with heavy carrier masses, and has quadrupolar magnetic ordering.